WEST Search History

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DATE: Monday, August 22, 2005

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR	
☐	L10	polymer$ and 17	59
☐	L9	brush near5 polymer$ and 17	0
☐	L8	brush near5 polymer and 17	0
☐	L7	mcgall-glenn.in.	64
☐	L6	curtis-frank$.in.	114
☐	L5	chang-ying-chih.in.	2
☐	L4	chang-ying$.in.	95
☐	L3	(BRUSH NEAR5 POLYMER$) same $nucleotide$	21
		DB=PGPB,USPT; PLUR=YES; OP=OR	
☐	L2	(BRUSH NEAR5 POLYMER$) same $nucleotide$	19
		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR	
☐	L1	(BRUSH NEAR5 POLYMER$) AND $nucleotide$	87

END OF SEARCH HISTORY

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NEWS 1   Web Page URLs for STN Seminar Schedule - N. America
NEWS 2   "Ask CAS" for self-help around the clock
NEWS 3   FEB 28   PATDPAFULL - New display fields provide for legal status
                   data from INPADOC
NEWS 4   FEB 28   BABS - Current-awareness alerts (SDIs) available
NEWS 5   MAR 02   GBFULL: New full-text patent database on STN
NEWS 6   MAR 03   REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 7   MAR 03   MEDLINE file segment of TOXCENTER reloaded
NEWS 8   MAR 22   KOREAPAT now updated monthly; patent information enhanced
NEWS 9   MAR 22   Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS 10 MAR 22   PATDPASPC - New patent database available
NEWS 11 MAR 22   REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS 12 APR 04   EPFULL enhanced with additional patent information and new
                   fields
NEWS 13 APR 04   EMBASE - Database reloaded and enhanced
NEWS 14 APR 18   New CAS Information Use Policies available online
NEWS 15 APR 25   Patent searching, including current-awareness alerts (SDIs),
                   based on application date in CA/CAplus and USPATFULL/USPAT2
                   may be affected by a change in filing date for U.S.
                   applications.
NEWS 16 APR 28   Improved searching of U.S. Patent Classifications for
                   U.S. patent records in CA/CAplus
NEWS 17 MAY 23   GBFULL enhanced with patent drawing images
NEWS 18 MAY 23   REGISTRY has been enhanced with source information from
                   CHEMCATS
NEWS 19 JUN 06   The Analysis Edition of STN Express with Discover!
                   (Version 8.0 for Windows) now available
NEWS 20 JUN 13   RUSSIAPAT: New full-text patent database on STN
NEWS 21 JUN 13   FRFULL enhanced with patent drawing images
NEWS 22 JUN 27   MARPAT displays enhanced with expanded G-group definitions
                   and text labels
NEWS 23 JUL 01   MEDICONF removed from STN
NEWS 24 JUL 07   STN Patent Forums to be held in July 2005
NEWS 25 JUL 13   SCISEARCH reloaded
NEWS 26 JUL 20   Powerful new interactive analysis and visualization software,
                   STN AnaVist, now available
NEWS 27 AUG 11   Derwent World Patents Index(R) web-based training during
                   August
NEWS 28 AUG 11   STN AnaVist workshops to be held in North America

NEWS EXPRESS   JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT
                MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

NEWS HOURS   STN Operating Hours Plus Help Desk Availability
NEWS INTER   General Internet Information
NEWS LOGIN   Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that
specific topic.

    * * * * * * * * * .* * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 09:02:31 ON 22 AUG 2005

=> fil medline biosis embase caplus wpids
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                ENTRY   SESSION
FULL ESTIMATED COST   0.21   0.21

FILE 'MEDLINE' ENTERED AT 09:02:57 ON 22 AUG 2005

FILE 'BIOSIS' ENTERED AT 09:02:57 ON 22 AUG 2005
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FILE 'CAPLUS' ENTERED AT 09:02:57 ON 22 AUG 2005
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FILE 'WPIDS' ENTERED AT 09:02:57 ON 22 AUG 2005
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=> e=mcgall frank/au
MISSING TERM FOR FIELD QUALIFICATION BEFORE '/AU'
The search profile entered contains a field qualifier, e.g., '/AU',
with no term preceding it.

=> e au=mcgall, frank?
E1   1   AU9SH/BI
E2   1   AU9TOMATICALLY/BI
E3   0 --> AU=MCGALL, FRANK?/BI
E4   1611   AUA/BI
E5   118   AUA1/BI
E6   5   AUA2/BI
E7   1   AUA2CL/BI
E8   2   AUA2S/BI
E9   8   AUA3/BI
E10   7   AUA4/BI
E11   1   AUA6/BI
E12   3   AUA6665/BI

=> e=mcgall frank?/au
NUMERIC VALUE NOT VALID 'MCGALL FRANK?'
Numeric values may contain 1-8 significant figures. If range notation
is used, both the beginning and the end of the range must be
specified, e.g., '250-300/MW'. Expressions such as '250-/MW' are not
allowed. To search for values above or below a given number, use the
>, =>, <, or <= operators, e.g., 'MW => 250'. Text terms cannot be

used in numeric expressions. If you specify a unit, it must be
dimensionally correct for that field code. To see the unit
designations for field codes in the current file, enter "DISPLAY UNIT
ALL" at an arrow prompt (=>).

```
=> e mcgall frank/au
E1          2       MCGALL D G/AU
E2          4       MCGALL E/AU
E3          0 --> MCGALL FRANK/AU
E4         66       MCGALL G/AU
E5         54       MCGALL G H/AU
E6          1       MCGALL G M/AU
E7          3       MCGALL GLEN/AU
E8          1       MCGALL GLEN H/AU
E9         50       MCGALL GLENN/AU
E10        65       MCGALL GLENN H/AU
E11         3       MCGALL GLENN HUGH/AU
E12         1       MCGALL I W/AU

=> e mcgall frank?/au
E1          2       MCGALL D G/AU
E2          4       MCGALL E/AU
E3          0 --> MCGALL FRANK?/AU
E4         66       MCGALL G/AU
E5         54       MCGALL G H/AU
E6          1       MCGALL G M/AU
E7          3       MCGALL GLEN/AU
E8          1       MCGALL GLEN H/AU
E9         50       MCGALL GLENN/AU
E10        65       MCGALL GLENN H/AU
E11         3       MCGALL GLENN HUGH/AU
E12         1       MCGALL I W/AU

=> e mcgall f?/au
E1          2       MCGALL D G/AU
E2          4       MCGALL E/AU
E3          0 --> MCGALL F?/AU
E4         66       MCGALL G/AU
E5         54       MCGALL G H/AU
E6          1       MCGALL G M/AU
E7          3       MCGALL GLEN/AU
E8          1       MCGALL GLEN H/AU
E9         50       MCGALL GLENN/AU
E10        65       MCGALL GLENN H/AU
E11         3       MCGALL GLENN HUGH/AU
E12         1       MCGALL I W/AU

=> brush (5A) polymer? and ?nucleotide?
L1         21 BRUSH (5A) POLYMER? AND ?NUCLEOTIDE?

=> dup rem l1
PROCESSING COMPLETED FOR L1
L2         17 DUP REM L1 (4 DUPLICATES REMOVED)

=> t ti l2 1-17

L2   ANSWER 1 OF 17  CAPLUS  COPYRIGHT 2005 ACS on STN
TI   Single-molecules studies of self-repairing polymer bridges

L2   ANSWER 2 OF 17  CAPLUS  COPYRIGHT 2005 ACS on STN
TI   Self-assembled DNA monolayers: From fundamental properties to applications

L2   ANSWER 3 OF 17  CAPLUS  COPYRIGHT 2005 ACS on STN
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TI   Surface-to-surface bridges formed by reversibly assembled polymers

L2   ANSWER 4 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
TI   Applications of capillary electrochromatography

L2   ANSWER 5 OF 17 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
TI   Device comprising a substrate material having polymer brushes and
      functional groups on at least two surfaces, useful in an electrodialysis
      reaction or for target screening.

L2   ANSWER 6 OF 17 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
TI   Adsorbent chip useful for detecting an analyte such as polypeptide or
      polynucleotide, comprises a substrate, an intermediate layer a
      linker arms, and an adsorbent film which is attached to the linker arms.

L2   ANSWER 7 OF 17 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
TI   Novel adsorbent chip useful for detecting analytes e.g., biomolecules such
      as polypeptide, **polynucleotide,** carbohydrate, or lipid,
      comprises substrate, an intermediate layer having linker arms, and an
      adsorbent film.

L2   ANSWER 8 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1
TI   Polymer brushes for immobilizing molecules to a surface or substrate
      having improved stability

L2   ANSWER 9 OF 17 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
TI   Base material, useful for deoxygenating substrate compound, comprises
      polymer brushes including one or more functional groups immobilized on its
      surface in several layers.

L2   ANSWER 10 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
      STN
TI   Influence of polymer architecture on the structure of complexes formed by
      PEG-tertiary amine methacrylate copolymers and phosphorothioate
      oligonucleotide.

L2   ANSWER 11 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2
TI   Macromolecular arrays on polymeric brushes and methods for preparing the
      same

L2   ANSWER 12 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
TI   Manufacture of polymer brushes bearing functional groups capable of
      bonding to probes for biosensors

L2   ANSWER 13 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
TI   High throughput synthesis and screening in specialty polymers applications

L2   ANSWER 14 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
TI   Polyionic coatings in analytic and sensor devices

L2   ANSWER 15 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
TI   Immobilization of molecules on surfaces via polymer brushes

L2   ANSWER 16 OF 17   MEDLINE on STN   DUPLICATE 3
TI   Nanoparticle DNA carrier with poly(L-lysine) grafted polysaccharide
      copolymer and poly(D,L-lactic acid).

L2   ANSWER 17 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
TI   Conformation of DNA Block Copolymer Molecules Adsorbed on Latex Particles
      As Revealed by Hydroxyl Radical Footprinting

=> py>1999 and 17

L7 NOT FOUND
The L-number entered could not be found. To see the definition
of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> py>1999 and l2
L3   15 PY>1999 AND L2

=> l2 not l3
L4   2 L2 NOT L3

=> d ibib abs l4 1-2

L4   ANSWER 1 OF 2   MEDLINE on STN
ACCESSION NUMBER: 97467995   MEDLINE
DOCUMENT NUMBER: PubMed ID: 9327139
TITLE: Nanoparticle DNA carrier with poly(L-lysine) grafted
                     polysaccharide copolymer and poly(D,L-lactic acid).
AUTHOR: Maruyama A; Ishihara T; Kim J S; Kim S W; Akaike T
CORPORATE SOURCE: Department of Biomolecular Engineering, Faculty of
                     Bioscience and Biotechnology, Tokyo Institute of
                     Technology, Yokohama, Japan.
SOURCE: Bioconjugate chemistry, (1997 Sep-Oct) 8 (5) 735-42.
                     Journal code: 9010319. ISSN: 1043-1802.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199711
ENTRY DATE: Entered STN: 19980109
                     Last Updated on STN: 19980109
                     Entered Medline: 19971128

AB   Biodegradable nanoparticles, which contain the sites for both
      polynucleotide adsorption and targeting ligand on their surfaces,
      were prepared as a novel carrier for genetic materials. The nanoparticles
      were obtained from poly(D,L-lactic acid) and poly(L-lysine)-graft-
      polysaccharide copolymers by using either a solvent evaporation method or
      a diafiltration method. The size of the particles prepared by the
      diafiltration method was controlled by varying the initial concentration
      of the graft copolymer. Nanoparticles as small as 60 nm in diameter were
      successfully obtained from the graft copolymers with high polysaccharide
      contents but not from the poly(L-lysine) homopolymer. Polysaccharide
      moieties on the surface of the nanoparticles were found to interact
      specifically with a particular lectin as verified by the aggregation
      assay. The **polynucleotide** adsorption capacity of the
      nanoparticles was increased with increasing polysaccharide contents in the
      graft copolymers, suggesting that the adsorption conformation of
      poly(L-lysine) moiety in the graft copolymer on the nanoparticle surface
      is different from that in poly(L-lysine) homopolymer. Moreover, the
      nanoparticles from the graft copolymer exhibited resistance against
      self-aggregation and nonspecific adsorption of serum proteins, presumably
      due to the **polymer brush** effect and/or exclusion
      effect from the polysaccharide graft chains. These results suggest that
      the nanoparticles prepared from poly(L-lysine)-graft-polysaccharide
      copolymer and poly(D,L-lactic acid) can serve as a good DNA carrier in
      vivo.

L4   ANSWER 2 OF 2   CAPLUS   COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1995:836067   CAPLUS
DOCUMENT NUMBER: 123:341474
TITLE: Conformation of DNA Block Copolymer Molecules Adsorbed
                         on Latex Particles As Revealed by Hydroxyl Radical
                         Footprinting
AUTHOR(S):   Walker, Harold W.; Grant, Stanley B.

AB   Hydroxyl radical footprinting was used to probe the conformation of a
     single-stranded DNA analog adsorbed to the surface of latex microspheres
     in water. The DNA mol. has a diblock copolymer architecture with an
     uncharged block 20 **nucleotides** in length and an equally long
     neg. charged block. This model block copolymer does not form a
     polymer brush layer when adsorbed to neg. charged latex
     at moderate salt concns. (0.05 M NaCl). The exact nature of the
     DNA-surface interaction is found to depend on both the primary charge of
     the bare latex particles and on the surface d. of adsorbed polymer.

=> e chang ying chih/au
E1   1   CHANG YING CHEN/AU
E2   1   CHANG YING CHI/AU
E3   27 --> CHANG YING CHIH/AU
E4   1   CHANG YING CHUAN/AU
E5   5   CHANG YING CHUN/AU
E6   2   CHANG YING CHUNG/AU
E7   1   CHANG YING DER/AU
E8   1   CHANG YING FANG/AU
E9   8   CHANG YING FEI/AU
E10   20   CHANG YING FON/AU
E11   1   CHANG YING FONG/AU
E12   1   CHANG YING FU/AU

=> e3
L5   27 "CHANG YING CHIH"/AU

=> polymer (5a) brush and 15
MISSING TERM BEFORE '(5A'
Search expressions cannot begin with operators.

=> polymer? (5a) brush and 15
L6   0 POLYMER? (5A) BRUSH AND L5

=> e curtis frank?/au
E1   1   CURTIS FRANK/AU
E2   8   CURTIS FRANK W/AU
E3   0 --> CURTIS FRANK?/AU
E4   1   CURTIS FRED/AU
E5   1   CURTIS FRED LORAN/AU
E6   3   CURTIS FRED P/AU
E7   3   CURTIS FREDERICK L/AU
E8   1   CURTIS FRUMAN P/AU
E9   161   CURTIS G/AU
E10   41   CURTIS G A/AU
E11   6   CURTIS G ALAN/AU
E12   14   CURTIS G B/AU

=> e1 or e2
L7   9 "CURTIS FRANK"/AU OR "CURTIS FRANK W"/AU

=> polymer? (5a) brush and 17
L8   0 POLYMER? (5A) BRUSH AND L7

=> d his

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(FILE 'HOME' ENTERED AT 09:02:31 ON 22 AUG 2005)

FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS, WPIDS' ENTERED AT 09:02:57 ON 22
AUG 2005
               E AU=MCGALL, FRANK?
               E MCGALL FRANK/AU
               E MCGALL FRANK?/AU
               E MCGALL F?/AU
L1          21 BRUSH (5A) POLYMER? AND ?NUCLEOTIDE?
L2          17 DUP REM L1 (4 DUPLICATES REMOVED)
L3          15 PY>1999 AND L2
L4           2 L2 NOT L3
               E CHANG YING CHIH/AU
L5          27 E3
L6           0 POLYMER? (5A) BRUSH AND L5
               E CURTIS FRANK?/AU
L7           9 E1 OR E2
L8           0 POLYMER? (5A) BRUSH AND L7

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